

FORM PTO-1449

CORRECTED
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

| | |
|------------------------|----------------------|
| Attorney Docket Number | 47406-012600 |
| Application Number | 10/040,118 |
| Filing Date | January 3, 2002 |
| Applicant(s) | Bruce W. Lee, et al. |
| Group Art Unit | 1732 |
| Examiner Name | Angela Ortiz |

U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--------------------|------------|----------------------|-------|----------|----------------------------------|
| AO | 3,601,523 | 08/24/71 | Arndt | — | — | |
| | 4,106,187 | 08/15/78 | Smith, et al. | — | — | |
| | 4,283,243 | 08/11/81 | Andreades, et al. | — | — | |
| | 4,350,570 | 11/23/82 | Maisotsenko, et al. | — | — | |
| | 4,622,239 | 11/11/86 | Schoenthaler, et al. | — | — | |
| | 4,700,474 | 10/20/87 | Choinski | — | — | |
| | 4,777,721 | 10/18/88 | Choinski | — | — | |
| | 4,783,247 | 11/08/88 | Seibel | — | — | |
| | 4,884,337 | 12/05/89 | Choinski | — | — | |
| | 4,945,313 | 07/31/90 | Brilka, et al. | — | — | |
| | 4,964,948 | 10/23/90 | Reed | — | — | |
| | 4,995,941 | 02/26/91 | Nelson, et al. | — | — | |
| | 5,053,921 | 10/01/91 | Nelson, et al. | — | — | |
| | 5,058,265 | 10/22/91 | Goldfarb | — | — | |
| | 5,117,069 | 05/26/92 | Higgins, III | — | — | |
| | 5,133,120 | 07/28/92 | Kawakami, et al. | — | — | |
| | 5,145,691 | 09/08/92 | Kawakami, et al. | — | — | |
| | 5,220,723 | 06/22/93 | Okada | — | — | |
| | 5,274,916 | 01/04/94 | Kawabata, et al. | — | — | |
| | 5,277,854 | 01/11/94 | Hunt | — | — | |
| | 5,332,439 | 07/26/94 | Watanabe, et al. | — | — | |
| | 5,451,721 | 09/19/95 | Tsukada, et al. | — | — | |
| | 5,456,004 | 10/10/95 | Swamy | — | — | |
| | 5,471,091 | 11/28/95 | Pasch, et al. | — | — | |
| | 5,532,516 | 07/02/96 | Pasch, et al. | — | — | |
| | 5,540,779 | 07/30/96 | Andris, et al. | — | — | |
| AO | 5,578,151 | 11/26/96 | Andris, et al. | — | — | |

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| EXAMINER INITIALS | DOCUMENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| AD | 5,591,353 | 01/07/97 | Davignon, et al. | — | — | |
| | 5,610,103 | 03/11/97 | Xu, et al. | — | — | |
| | 5,637,834 | 06/10/97 | La Bate, Jr., et al. | — | — | |
| | 5,662,987 | 09/02/97 | Mizumoto, et al. | — | — | |
| | 5,699,613 | 12/23/97 | Chong, et al. | — | — | |
| | 5,707,575 | 01/13/98 | Litt, et al. | — | — | |
| | 5,744,285 | 04/28/98 | Felten, et al. | — | — | |
| | 5,744,171 | 04/28/98 | Schneider | — | — | |
| | 5,753,976 | 05/19/98 | Harvey | — | — | |
| | 5,753,976 | 05/19/98 | Harvey | — | — | |
| | 5,761,803 | 06/09/98 | St. John, et al. | — | — | |
| | 5,766,670 | 06/16/98 | Arlidt, et al. | — | — | |
| | 5,822,856 | 10/20/98 | Bhatt, et al. | — | — | |
| | 5,824,155 | 10/20/98 | Ha, et al. | — | — | |
| | 5,851,344 | 12/22/98 | Xu, et al. | — | — | |
| | 5,906,042 | 05/25/99 | Lan, et al. | — | — | |
| | 5,925,414 | 07/20/99 | Buechele, et al. | — | — | |
| | 5,994,779 | 11/30/99 | Gardner, et al. | — | — | |
| | 6,000,129 | 12/14/99 | Bhatt, et al. | — | — | |
| | 6,009,620 | 01/04/00 | Bhatt, et al. | — | — | |
| | 6,015,520 | 01/18/00 | Appelt, et al. | — | — | |
| | 6,079,100 | 06/27/00 | Farquhar, et al. | — | — | |
| | 6,090,474 | 07/18/00 | Johansson, et al. | — | — | |
| | 6,106,891 | 08/22/00 | Kulesza, et al. | — | — | |
| | 6,138,350 | 10/31/00 | Bhatt, et al. | — | — | |
| ▼ | 6,149,857 | 11/21/00 | McArdle, et al. | — | — | |
| AD | 6,153,508 | 11/28/00 | Harvey | — | — | |

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|-------------------|-----------------|------------|------------------|-------|----------|----------------------------|
| AO | 6,184,133 | 02/06/01 | Iijima, et al. | — | — | |
| | 6,261,501 | 07/17/01 | Miyagawa, et al. | — | — | |
| | 6,276,055 | 08/21/01 | Bryan, et al. | — | — | |
| | 6,281,448 | 08/28/01 | Tsukamoto | — | — | |
| AO | 6,282,782 | 09/04/01 | Biunno, et al. | — | — | |

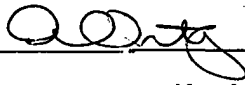
FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
|-------------------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| AO | JP54139065 | 10/29/79 | Japan | — | — | | |
| | JP58011172 | 01/21/83 | Japan | — | — | | |
| | GB2120017 | 11/23/83 | Great Britain | — | — | | |
| | EP0194247 | 09/10/86 | EPO | — | — | | |
| | WO8606243 | 10/23/86 | WIPO | — | — | | |
| | JP62277794 | 12/02/87 | Japan | — | — | | |
| | JP62287696 | 12/14/87 | Japan | — | — | | |
| | JP1173696 | 07/10/89 | Japan | — | — | | |
| | JP1236694 | 09/21/89 | Japan | — | — | | |
| | JP3004595 | 01/10/91 | Japan | — | — | | |
| | GB2246912 | 02/12/92 | Great Britain | — | — | | |
| | JP4186792 | 07/03/92 | Japan | — | — | | |
| | JP4239193 | 08/27/92 | Japan | — | — | | |
| | FR2684836 | 06/11/93 | France | — | — | | |
| | JP5275819 | 10/22/93 | Japan | — | — | | |
| | JP5310487 | 11/22/93 | Japan | — | — | | |
| | FR2714567 | 06/30/95 | France | — | — | | |
| | JP7176871 | 07/14/95 | Japan | — | — | | |
| AO | EP0713358 | 05/22/96 | EPO | — | — | | |

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| | | | | | | YES | NO |
| AO | JP8172265 | 07/02/96 | Japan | — | — | | |
| | JP8191184 | 07/23/96 | Japan | — | — | | |
| | EP0723388 | 07/24/96 | EPO | — | — | | |
| | JP9083135 | 03/28/97 | Japan | — | — | | |
| | JP9321399 | 12/12/97 | Japan | — | — | | |
| | JP10065339 | 03/06/98 | Japan | — | — | | |
| | JP10256687 | 09/25/98 | Japan | — | — | | |
| | JP11054909 | 02/26/99 | Japan | — | — | | |
| | WO0013474 | 03/09/00 | WIPO | H05K3 | 00, 46 | | |
| AO | GB2341347 | 03/15/00 | Great Britain | — | — | | |

| OTHER DOCUMENTS | |
|----------------------|--|
| EXAMINER INITIALS | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| AO | Via Etching Process, February 1972 |
| AO | Multilayer printed Circuit Board Connections, April 1996 |
| AO | Process for Forming Copper Clad Vias, August 1989 |

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| EXAMINER SIGNATURE |  | DATE CONSIDERED | 3/2005 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | |

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